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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q53397

RECEIVED

Ken-ichi TAKATORI, et al.

SEP 23 2003

Appln. No.: 09/256,346

Group Art Unit: 2675

Technology Center 2600

Confirmation No.: 9700

Examiner: A. Nelson

Filed: February 24, 1999

For: **LIQUID CRYSTAL DISPLAY APPARATUS AND METHOD OF DRIVING THE SAME**

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Unexamined Patent Application Publication No. H7-199149, published August 4, 1995.
2. Japanese Unexamined Patent Application Publication No. H8-234161, published September 13, 1996.
3. Japanese Unexamined Patent Application Publication No. H6-222360, published August 12, 1994.

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INFORMATION DISCLOSURE STATEMENT

U.S. Appln. No.: 09/256,346

4. Japanese Unexamined Patent Application Publication No. H9-90909, published April 4, 1997.
5. Japanese Unexamined Patent Application Publication No. H9-304794, published November 28, 1997.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed after either a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), but before payment of the Issue Fee, and therefore Applicant is submitting herewith a check for the fee of \$180.00 under 37 C.F.R. § 1.17(p), and a Statement Under 37 C.F.R. § 1.97(e).

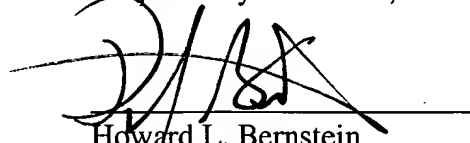
In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses here with a copy of a corresponding Japanese Office Action dated July 29, 2003 and an English translation of the pertinent portions thereof which cites such documents and indicates the degree of relevance found by the foreign office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

INFORMATION DISCLOSURE STATEMENT
U.S. Appln. No.: 09/256,346

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: September 17, 2003



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STATEMENT UNDER 37 C.F.R. § 1.97(e)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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SEP 23 2003

Technology Center 2600

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed
concurrently herewith was first cited in any communication from a foreign patent office in a
counterpart foreign application not more than three months prior to the filing of said Information
Disclosure Statement.

Respectfully submitted,

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WASHINGTON OFFICE

23373

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Ref Q53397

Claims: 1, 5 and 8

Cited Literature: 1

See page 4, paragraphs 26 through 30 and page 5, paragraphs 38 and 39.

Claims: 2

Cited Literature: 1 and 2

See Cited Literature 2, page 4, paragraph 15.

Claims: 3 and 6

Cited Literature: 1 and 2

See Cited Literature 1, especially paragraphs 38 and 39 (regarding polarity inversion, paragraph 35).

Claim: 4

Cited Literature: 1, 2 and 3

See Cited Literature 3, page 3, paragraph 11.

Claim: 7

Cited Literature: 1, 4 and 5

Regarding OCB mode, see Cited Literature 4; regarding antiferroelectric liquid crystal exhibiting V-shaped voltage/transmittance characteristics, see Cited Literature 5, page 18, paragraph 191.

List of Cited Literature

1. Japanese Unexamined Patent Application Publication H7-199149
2. Japanese Unexamined Patent Application Publication H8-234161
3. Japanese Unexamined Patent Application Publication H6-222360
4. Japanese Unexamined Patent Application Publication H9-90909
5. Japanese Unexamined Patent Application Publication H9-304794

[Reference No. Q53397]

Claims: 1, 2, 7, 10

Cited Literature: 1, 2

“Having an interval wherein the light source is not turned on until the display image is essentially stabilized” is a well-known technical method described in Cited Reference 2, Paragraph 0011.

Claims: 3 to 6

Cited Literature: 3, 4

That which is described in Reference 3 and in Figure 2 of Reference 4 is the multiple switching of polarity within a single frame.

List of Cited Literature:

1. Unexamined Patent Application Publication H8-234161
2. Unexamined Patent Application Publication H6-222360
3. Unexamined Patent Application Publication H6-236166
4. Unexamined Patent Application Publication H7-64055